AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A medical information system comprising:

a patient server comprising a first database, said patient server being operable to receive vital information and unique identifications, store and manage the received vital information and unique identifications in said first database such that the vital information is not associated with a corresponding unique identification, and transmit the stored and managed vital information and unique identifications, wherein said first database does not store patient data;

a medical care provider server connected to said patient server through a first network and comprising a second database, said medical care provider server being operable to receive the vital information, and unique identifications from said first database of said patient server through the first network, store and manage the received vital information, unique identifications, and patient data in said second database, associate each of the unique identifications with corresponding patient data, identify corresponding patient data using each of the unique identifications, and allow the stored and managed vital information, unique identifications, and patient data to be browsed;

a patient terminal connected to said patient server through a second network, said patient terminal being operable to transmit the vital information and unique identifications to said patient server through the second network; and

a doctor terminal connected to said medical care provider server through a third network, said doctor terminal being operable to browse the vital information, patient identifications, and patient data stored and managed in said medical care provider server through the third network~~, wherein:~~

~~said patient server further comprises a first communication unit operable to communicate with said patient terminal and allow said patient terminal to connect with said patient server to transmit the vital information to said patient server through the second network;~~

~~said patient server, upon receiving the vital information from said patient terminal through the second network, is operable to store and manage the received vital information in said first database of said patient server;~~

~~said first communication unit of said patient server is further operable to communicate with said medical care provider server and allow said medical care provider server to connect with said patient server to receive the vital information stored in said first database of said patient server through the first network;~~

~~said medical care provider server further comprises a second communication unit operable to communicate with said patient server and allow said patient server to connect with said medical care provider server and transmit the vital information stored in said first database of said patient server to said second database of said medical care provider server through the first network;~~

~~said medical care provider server, upon receiving the vital information stored in said first database of said patient server, is operable to store and manage the received vital information in said second database of said medical care provider server;~~

~~said second communication unit of said medical care provider server is further operable to communicate with said doctor terminal and allow said doctor terminal to browse and review the vital information stored in said second database of said medical care provider server;~~

~~the vital information transmitted from said patient terminal is transmitted, in order, to said patient server through the second network, to said medical care provider server from said patient server through the first network, and then to said doctor terminal from said medical care provider server through the third network; and~~

~~said doctor terminal is operable to transmit consultation data regarding a health status of a patient, the consultation data being transmitted, in order, from said doctor terminal to said medical care provider server through the third network, to said patient server from said medical care provider server through the first network, and then to said patient terminal from said patient server through the second network~~.

2. (Cancelled)

3. (Previously Presented) A medical information system according to claim 1, further comprising a sensor for measuring vital data, wherein the vital information includes a measurement value by said sensor.

4. **(Currently Amended)** A medical information system according to claim 1, wherein:

said doctor terminal is operable to transmit, as ~~the~~ consultation data, an inquiry regarding a health status of a patient to said medical care provider server through the third network; and

the vital information transmitted from said patient terminal to said patient server through the second network includes a reply to the inquiry transmitted to said patient terminal.

5. **(Previously Presented)** A medical information system according to claim 1, further comprising:

a first unauthorized access prevention section provided in the first network;

a second unauthorized access prevention section provided in the second network; and

a third unauthorized access prevention section provided in the third network,

wherein said first and third unauthorized access prevention sections have higher security levels than a security level of said second unauthorized access prevention section.

6. **(Previously Presented)** A medical information system according to claim 5, wherein:

said first unauthorized access prevention section comprises a firewall and a virtual private network;

said second unauthorized access prevention section comprises a remote access server; and

said third unauthorized access prevention section comprises a terminal authentication server.

7. **(Previously Presented)** A medical information system according to claim 1, wherein said patient server and said medical care provider server are respectively clustered.

8. **(Currently Amended)** A medical information system comprising:

a plurality of patient servers each comprising a first database and each patient server being operable to receive vital information and unique identifications, store and manage the received vital information and unique identifications in ~~said~~ a respective first database such that the vital information is not associated with a corresponding unique identification, and transmit the stored and managed vital information and unique identifications, wherein said first databases do not store patient data;

a medical care provider server connected to said plurality of patient servers through a first network and comprising a second database, said medical care provider server being operable to receive the vital information and unique identifications from each of said first ~~database~~ databases of said plurality of patient servers through the first network~~, respectively~~, store and manage the received vital information, unique identifications, and patient data, ~~and~~ associate each of the unique identifications with corresponding patient data, identify the corresponding patient data using each of the unique identifications, and allow the stored and managed vital information, unique identifications, and patient data to be browsed;

a plurality of patient terminals ~~respectively~~ each connected to at least one of said ~~plurality of~~ patient servers through a second network, said patient terminals being operable to respectively transmit the vital information and unique identifications to said patient servers through the second network; and

a doctor terminal connected to said medical care provider server through a third network, said doctor terminal being operable to browse the vital information, unique identifications, and patient data stored and managed in said medical care provider server through the third network~~, wherein:~~

~~said plurality of patient servers each further comprise a first communication unit operable to communicate with a corresponding one of said plurality of patient terminals to which said plurality of patient servers are respectively connected, and allow said~~

~~corresponding one of said patient terminals to respectively connect with said patient servers to transmit the vital information to said patient servers through the second network;~~

~~said plurality of patient servers, upon receiving the vital information from said corresponding one of said patient terminals through the second network, is operable to store and manage the received vital information in said first database;~~

~~said first communication unit of each of said patient servers is further operable to communicate with said medical care provider server and allow said medical care provider to respectively connect with said plurality of patient servers to receive the vital information respectively stored in said first database of said patient servers through the first network;~~

~~said medical care provider server further comprises a second communication unit operable to respectively communicate with each of said patient servers and allow said patient servers to connect with said medical care provider server and transmit the vital information respectively stored in said first database of said patient servers to said second database of said medical care provider server through the first network;~~

~~said medical care provider server, upon receiving the vital information respectively stored in said first database of said patient servers, is operable to store and manage the received vital information in said second database of said medical care provider server;~~

~~said second communication unit of said medical care provider server is further operable to communicate with said doctor terminal and allow said doctor terminal to browse and review the vital information stored in said second database of said medical care provider server;~~

~~the vital information transmitted from said corresponding one of said patient terminals is transmitted, in order, through the second network to said patient servers to which said corresponding one of said patient terminals is respectively connected, through the first network to said medical care provider server from said patient servers respectively connected to said corresponding one of said patient terminals, and then to said doctor terminal from said medical care provider server through the third network; and~~

~~said doctor terminal is operable to transmit consultation data regarding a health status of a patient, the consultation data being transmitted, in order, from said doctor terminal to said medical care provider server through the third network, to at least one of said patient servers from said medical care provider server through the first network, and then through the second network from said at least one patient server to said corresponding one of said patient terminals to which said at least one patient server is respectively connected~~.

9. (Currently Amended) A medical information system comprising:

a patient server comprising a first database, said patient server being operable to receive vital information and unique identifications, store and manage the received vital information and said unique identifications such that the vital information is not associated with a corresponding unique identification, and transmit the stored and managed vital information and unique identifications, wherein said patient server does not store patient data;

a plurality of medical care provider servers ~~respectively~~ connected to said patient server through a first network and each comprising a second database, said medical care provider servers being operable to respectively receive the vital information and unique identifications from said patient server through the first network, store and manage the received vital information, unique identifications and patient data in said second database, associate each of the unique identifications with corresponding patient data, identify corresponding patient data using each of the unique identifications, and allow the stored and managed vital information, unique identifications, and patient data to be browsed;

a patient terminal connected to said patient server through a second network, said patient terminal being operable to transmit the vital information and unique identifications to said patient server through the second network; and

a plurality of doctor terminals ~~respectively~~ each connected to at least one of said ~~plurality of~~ medical care provider servers through a third network, said plurality of doctor terminals being operable to browse the vital information, unique identifications, and

patient data stored and managed in said medical care provider servers through the third network, respectively~~, wherein:~~

~~said patient server further comprises a first communication unit operable to communicate with said patient terminal and allow said patient terminal to connect with said patient server to transmit the vital information to said patient server through the second network;~~

~~said patient server, upon receiving the vital information from said patient terminal through the second network, is operable to store and manage the received vital information in said first database of said patient server;~~

~~said first communication unit of said patient server is further operable to respectively communicate with said medical care provider servers and allow said medical care provider servers to respectively connect with said patient server to receive the vital information stored in said first database of said patient server through the first network;~~

~~said medical care provider servers each further comprises a second communication unit operable to respectively communicate with said patient server and allow said patient server to respectively connect with said medical care provider servers and transmit the vital information stored in said first database of said patient server to said second database of said medical care provider servers through the first network, respectively;~~

~~each of said medical care provider servers, upon receiving the vital information stored in said first database of said patient server, is operable to store and manage the received vital information in said second database of said medical care provider servers, respectively;~~

~~said second communication unit of each of said medical care provider servers is further operable to communicate with a corresponding one of said plurality of doctor terminals to which said medical care provider servers are respectively connected, and allow said corresponding one of said doctor terminals to browse and review the vital information stored in said second database of said medical care provider servers, respectively;~~

~~the vital information transmitted from said patient terminal is transmitted, in order, to said patient server through the second network, to at least one of said medical~~

~~care provider servers from said patient server through the first network, and then through the third network from said at least one medical care provider server to said corresponding one of said doctor terminals to which said at least one medical care provider server is respectively connected; and~~

~~said plurality of doctor terminals are each operable to transmit consultation data regarding a health status of a patient, the consultation data being transmitted, in order, from said corresponding one of said doctor terminals through the third network to said medical care provider servers to which said corresponding one of said doctor terminals is respectively connected, to said patient server through the first network from said medical care provider servers to which said corresponding one of said doctor terminals is respectively connected, and then to said patient terminal from said patient server through the second network~~.

10. (Currently Amended) A medical information system according to claim 8, wherein each of said plurality of patient terminals ~~include~~ includes a sensor for measuring vital data, and the vital information includes a measurement value by said sensor.

11. (Currently Amended) A medical information system according to claim 8, wherein:

said doctor terminal is operable to transmit, as ~~the~~ consultation data, an inquiry regarding a health status of a patient to said medical care provider server through the third network;

the vital information transmitted from ~~said corresponding~~ one of said patient terminals to ~~said at least one~~ a corresponding patient server through the second network includes a reply to the inquiry transmitted to said ~~corresponding~~ one of said patient terminals.

12. (Previously Presented) A medical information system according to claim 8, further comprising:

a first unauthorized access prevention section provided in the first network;

a second unauthorized access prevention section provided in the second network; and

a third unauthorized access prevention section provided in the third network,

wherein said first and third unauthorized access prevention sections have higher security levels than a security level of said second unauthorized access prevention section.

13. (Previously Presented) A medical information system according to claim 12, wherein:

said first unauthorized access prevention section comprises a firewall and a virtual private network;

said second unauthorized access prevention section comprises a remote access server; and

said third unauthorized access prevention section comprises a terminal authentication server.

14. (Previously Presented) A medical information system according to claim 9, wherein said patient terminal includes a sensor for measuring vital data, and the vital information includes a measurement value by said sensor.

15. (Currently Amended) A medical information system according to claim 9, wherein:

each of said plurality of doctor terminals ~~are each~~ is operable to transmit, as ~~the~~ consultation data, an inquiry regarding a health status of a patient through the third network to a respective one of said plurality of medical care provider servers ~~to which said plurality of doctor terminals are connected~~; and

the vital information transmitted from said patient terminal to said patient server through the second network includes a reply to the inquiry transmitted to said patient terminal.

16. **(Previously Presented)** A medical information system according to claim 9, further comprising:

a first unauthorized access prevention section provided in the first network;

a second unauthorized access prevention section provided in the second network; and

a third unauthorized access prevention section provided in the third network,

wherein said first and third unauthorized access prevention sections have higher security levels than a security level of said second unauthorized access prevention section.

17. **(Previously Presented)** A medical information system according to claim 16, wherein:

said first unauthorized access prevention section comprises a firewall and a virtual private network;

said second unauthorized access prevention section comprises a remote access server; and

said third unauthorized access prevention section comprises a terminal authentication server.